

In the Claims:

SUB B17

1. (currently amended) A computer implemented method of for presenting modeling information using a combination of space and time relationships and hierarchical semantic relationships, the method comprising:

providing at least one database comprising a plurality of data ~~models~~ elements, each of said data ~~models~~ elements having a mechanism to containing a representation of data in a space and time relationship; and

presenting organizing at least one selected each data element model such that the information can be viewed based on spatial relationships or time relationships each data element may have at least one frame, each frame containing quantitative data along time and space axes, and such that each data element may have at least one event, each event configured so that it may be positioned along the time axis and include at least one hierarchical connection to at least one other of the plurality of data elements; and

wherein the hierarchical connection between each of the plurality of data elements is made through at least one event in each of two or more of the plurality of data elements with a link, the link defined by a link model, each link model categorizing data and indicating the purpose of the associated link.

2. (cancelled)

3. (cancelled)

4. (cancelled)

5. (currently amended) The method of claim 1 wherein at least one of the plurality of the data model elements is for a historical event.

6. (currently amended) The method of claim 1 wherein at least one of the plurality of the data model elements is for a person.

7. (currently amended) The method of claim 1 wherein at least one of the plurality of the data model elements is for a geographic location.

8. (currently amended) A computer implemented method for ~~modifying an existing data modeling data~~, the method comprising:

organizing the data into data elements, each data element configurable to have a frame and a second portion;

configuring each frame such that the frame includes a place to hold a physical representation of the respective data element including date, position, extension, orientation, and additional data regarding the respective data element,

where the date information provides a location in time for the respective data element, and the position information provides an indication of position in a coordinate system,

configuring each data element such that the second portion includes a place to hold semantic information in the form of a link to at least one second data element and a link model that describes the reason why the link to the at least one second data element exists

creating a database of events and sub-events, each event pertaining to the existing data model;

connecting the events in a space and time relationship to build a modified data model; and

linking the modified data model to other data models through one of the events to add specific context to links between the data models.

9. (cancelled)

10. (cancelled)

11. (cancelled)

12. (cancelled)

13. (cancelled)

14. (currently amended) A computer program product for representing organizing data according to a data model, the product comprising:

computer code that provides at least one database comprising a plurality of data models elements, each of said data models elements containing a representation of data in a space and time relationship, and being linked to other data models elements in a hierarchical relationship via one or more links, each link defined by a link model, each link model categorizing data and indicating the purpose of the associated link;

computer code that presents retrieves at least one of the data models elements such that information can be viewed based on spatial relationships, time relationships, or hierarchical relationships; and

a computer readable medium that stores the computer code.

15. (cancelled)

16. (cancelled)

17. (currently amended) A method of creating a database computer implemented method for creating using a data model, the method comprising:

creating a database of events data elements, each data element having an events, each event having a common theme;

connecting the events in a space and time relationship to form a data model;

providing a linking mechanism such that each the data element model may be linked to at least one to other data models element based on at least one common event in each of the data models elements; and

assigning a link model to each of the links, the link model providing a reason for the existence of the link,

the linking of the data elements organizing the data elements in the database

18. (cancelled)

Please add the following claims:

19. (new) A data model comprising:  
a plurality of worldlines, each worldline having  
a time dimension, and  
a unique identifier,  
at least one frame, the at least one frame including space/time information and a  
unique identifier; and  
an omni-directional link between at least two of the plurality of worldlines, the link  
including information regarding why it exists and a unique identifier.
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20. (new) A data model as claimed in claim 19, wherein each worldline has a second  
dimension including at least one event having a unique identifier and organized in a time  
relationship.
21. (new) A data model as claimed in claim 19, wherein each link includes a link model  
having a unique identifier.
22. (new) A data model as claimed in claim 19, wherein each frame includes date  
information.
23. (new) A data model as claimed in claim 19, wherein each frame includes position  
information.
24. (new) A data model as claimed in claim 19, wherein each frame includes extension  
information.
25. (new) A data model as claimed in claim 19, where each frame includes orientation  
information.
26. (new) A data model as claimed in claim 19, wherein each frame includes simple raw  
data or a pointer to complex raw data.

27. (new) The method of claim 1, wherein at least one of the plurality of data elements is for a photograph.
28. (new) The method of claim 1, wherein at least one of the plurality of data elements is for a painting.
29. (new) The method of claim 1, wherein at least one of the plurality of data elements is for a musical composition.
30. (new) The method of claim 1, wherein at least one of the plurality of data elements is for a business.
- a' 31. (new) The method of claim 1, wherein at least one of the plurality of data elements is for a school.
32. (new) The method of claim 1, wherein at least one of the plurality of data elements is for a government agency.
33. (new) The method of claim 1, wherein at least one of the plurality of data elements is for a product.
34. (new) The method of claim 1, wherein at least one of the plurality of data elements is for a building.
35. (new) The method of claim 1, wherein at least one of the plurality of data elements is for a service.
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